DeKalb Metal Finishing

Alkaline Zinc vs. Acid Zinc

Improved Corrosion Protection



e 0 hours

Acid





168 hours





240 hours





360 hours

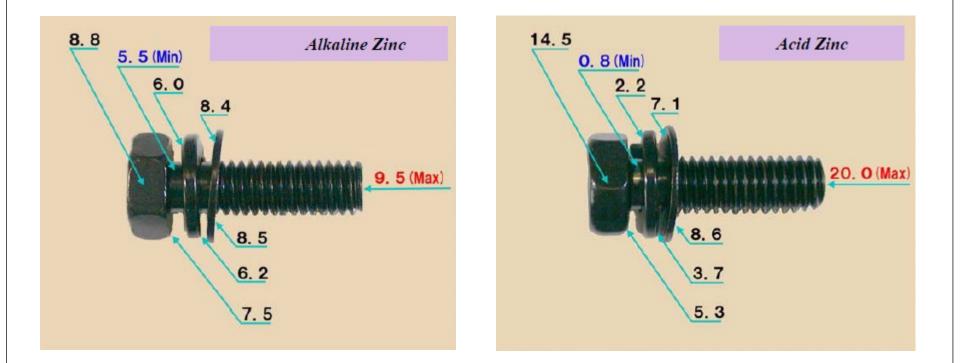




480 hours



Improved Plate Distribution

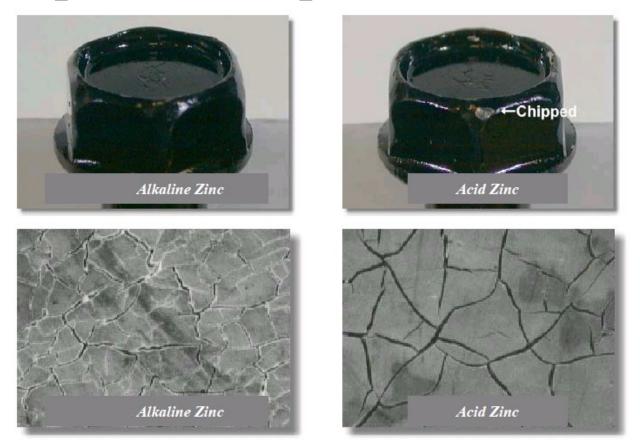


When compared to acid zinc plating, our alkaline zinc system provides excellent plate distribution between the high and low current density areas without sacrificing thickness in the lows.



Alkaline Zinc provides significantly better coverage in extremely low current density areas as shown by this cross section view of the inside of a plated pipe.

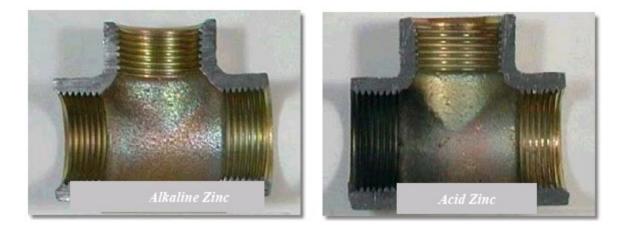
Improved Impact Resistance



Alkaline Zinc is more impact resistant than Acid Zinc. Above are photos from the Dupont Impact test. Notice the plating as visible to the naked eye and the cracks (magnified x150).

Good Brightness, Throwing Power,

and Distribution Inside Fittings



Alkaline Zinc provides significantly better coverage in extremely low current density areas as shown by this cross section view of the inside of a plated pipe.